

00546

1981/04/10



~~CONFIDENTIAL/NOFORN~~

OFFICE OF THE SECRETARY OF DEFENSE

WASHINGTON D.C. 20301

April 10, 1981

MEMORANDUM FOR B. C. EVANS
EXECUTIVE SECRETARY
CENTRAL INTELLIGENCE AGENCY

SUBJECT: Potential Munitions and Commodity Export Cases
with China.

As part of the ongoing review of U.S. policy with respect to China, DoD has been working with other government agencies to identify various categories of defense-related equipments which are under consideration for provision to China. (C/NF)

It is requested that the appropriate personnel at the Agency review this draft package and provide us comments on:

- a. Chinese need for materials described herein;
- b. the ability of the Chinese to pay for and/or use these materials; and
- c. expected Soviet reaction if the U.S. were to provide any or all of these items.

Any other comments you feel are germane to the general subject of such a relationship with the Chinese would also be appreciated. (C/NF)

A response by 1 May would be appreciated (if that is not reasonable, please let me know). (U)


J. H. Rixse
The Special Assistant

Attachment

DECLASSIFIED BY AUTHORITY OF
CIC

~~CONFIDENTIAL/NOFORN~~

DATE

CASE #

Spec Asst

9 APR 1987

SEC DEF CONTR No.

X13803

FOR OFFICIAL USE ONLY

PMC MATRONS CASES REFERRED TO DOD SINCE 1 JANUARY 1961

AS OF 1 MARCH 1961

Total of 106 Cases referred to DOD by Office of Matrons Control, Department of State

Current Status Summary:

-DCM-

8 Pending 1 (6 Objections, 33 no objection, 33 withdrawn,
96 Closed 6 returned without action (DAM)

-OAC-

26 Pending 1 (14 Approved, 10 Disapproved, 22 DAM)
94 Closed

FOR OFFICIAL USE ONLY

Number of Cases

Case Code

FOR OFFICIAL USE ONLY

Red Strong PRC Interest

Green PRC Interest, although
not an American citizen

White D-1-A (USAF) by
indirect

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

1 (14 Approved, 10 Disapproved, 22 DAM)

REPORT OF TECHNICAL DATA FOR SALES PROMOTION (SEP-3-11-000000)

DATE	COMPANY	DESCRIPTION	CURRENT/STATUS	CLOSING STATUS
DATE	COMPANY	DESCRIPTION	CURRENT/STATUS	CLOSING STATUS
101876	1 Feb 60	Ad/700-74, Ad/700-41, Ad/700-41, Ad/800-15A	Closed - No objection	Approved 4 Sep 60
103376	4 Apr 60	L70-51/710 System Test Station	Closed - No objection	Approved 15 Apr 60
103377	3 Mar 60	Ad/33/3 Countermeasures, "Blush" Acety cartridges, etc.	Closed - No objection	Approved 19 Jan 60
105543	20 Mar 60	Lockheed Aircraft Corp. 2270-11000 for Corps and Group	Closed - No objection	Approved 19 Jan 60
105544	20 Mar 60	Lockheed Aircraft Corp. 2270-11000 for Corps and Group	Closed - No objection	Approved 19 Jan 60
105545	31 Mar 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by Applicant	Not
106070	10 Apr 60	50000 Helicopter	Closed - No objection	Not
106071	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106072	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106073	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106074	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106075	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106076	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106077	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106078	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106079	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106080	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106081	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106082	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106083	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106084	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106085	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106086	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106087	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106088	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106089	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106090	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106091	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106092	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106093	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106094	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106095	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106096	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106097	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106098	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106099	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60
106100	10 Apr 60	Verona Imaging Radar System for South American Studies	Closed - Withdrawn by OMC	Approved 10 Jan 60

SECRET

REPORT OF TECHNICAL DATA FOR SALES PROMOTION (MIL-3 BUREAU) CONT'D

CRASH NO.	DATE DELIVERED	COMPANY	DESCRIPTION	COM- PARISON/ ORIGINAL PLANNED/PLACEMENT	COM- PARISON/ ORIGINAL PLANNED/PLACEMENT
107717	30 Apr 60	General Dynamics	Ground Surveillance Radar	Closed - No Objection	Approved 4 Sep 60
108645	6 May 60	Tramways	Initial Field Protective Mesh	Closed - Withdrawn by OMC	Disapproved 18 Jun 60
108703	6 May 60	Lock Slinger, Inc.	DMIS M-11 Basic Velocity Radar Set	Closed - Withdrawn by OMC	Disapproved 18 Jun 60
109063	12 May 60	General Signal Corp.	Tech. Data for Alert in IIA/S Tactical Transportable Air Surveillance Radar System	Closed - No Objection	Approved 4 Sep 60
108736	13 May 60	GTE (Syntonic)	Searcher, Precision Automated Tracking System	Closed - Withdrawn by OMC	NA
109645	23 May 60	B-Systems, Inc.	Tech. Data: M/TM-26 and M/TM-13A (TNCAM SEARCH SET)	Closed - No Objection	Approved 4 Sep 60
111649	13 Jun 60	Boeing Aircraft Co.	Tech. Data: Technical Description Automated Airframe Control System	Closed - No Objection	Approved 24 Sep 60
113760	22 Jul 60	Singer Co.	Tech. Data: C-130 Instrument Flight Simulator	Closed - No Objection	Approved
113670	16 Jul 60	B-Systems, Inc.	De Radar Computer and Maintenance of Data M/TM-13 and M/TM-26	Closed - No Objection	Approved 23 Jan 61
115377	7 Aug 60	Vought Corp.	Searcher, Scout Planning Radar Search Launch Vehicle System	Closed - NA	NA
116743	26 Aug 60	McDonnell Douglas	Technical Data - Space Launch Sys	Closed - NA	NA - 24 Sep

SECRET

TEMPORARY REPORT OF NEW FRONT FOR JUSTICE FOR NEGOTIATION (NSP-V) - LICEN 1231

Class. M.	Date Classified	Company	Classification	Declassification	Remarks	Current Status
P-17478	10 Feb 88	B-Systems, Inc.	AD/PAC-77 Radio Set	AD/PAC-77 Radio Set	Closed - No Objection	Approved 3 June 88
P-17112	10 Feb 88	Raytheon Company	AD/CAC-7A Pacifica Transceiver	AD/CAC-7A Pacifica Transceiver	Closed - No Objection	Approved 18 Jun 88
P-17249	16 Mar 88	Rockwell International	AD/AAC-184 Transceiver, AD/AAC 110 TACOM, AD/AAC-138 TACOM, CAC 88	AD/AAC-184 Transceiver, AD/AAC 110 TACOM, AD/AAC-138 TACOM, CAC 88	Closed - No Objection	Approved 29 June 88
P-17494	17 Mar 88	Rockwell International	AD/AAC-182 Receiver/Transmitter/ AAC-182	AD/AAC-182 Receiver/Transmitter/ AAC-182	Closed - No Objection	Approved 24 June 88
P-17491	28 Mar 88	Rockwell International	AD/AAC-135(V) AAC-135 Transceiver	AD/AAC-135(V) AAC-135 Transceiver	Closed - No Objection	Approved 11 Jul 88
P-17648	21 Apr 88	Littion	LYN-7746, 7748	LYN-7746, 7748	Closed - Withdrawn by CMC	Disapproved 18 Jun 88
P-17747	3 May 88	Boeving Technology, Inc	AD/AAC-135(V) AAC-135 Transceiver	AD/AAC-135(V) AAC-135 Transceiver	Closed - No Objection	Disapproved 23 May 88
P-17748	4 May 88	Bell Helicopter	Bell Model 318RT Helicopter in commercial configuration with the 88 Y-700/TIC engine installed & spare parts & tools to support the 318RT	Bell Model 318RT Helicopter in commercial configuration with the 88 Y-700/TIC engine installed & spare parts & tools to support the 318RT	Closed - No Objection	Approved 3 June 88
P-17867	14 May 88	Rockwell	AD/AAC-183 Demo Kit	AD/AAC-183 Demo Kit	Closed - No Objection	Approved 11 Sep 88
P-17814	14 May 88	Telephone, Inc.	AD/AAC-183 Demo Kit	AD/AAC-183 Demo Kit	Closed - No Objection	Disapproved 18 June 88

PERMANENT REPORT OF EQUIPMENT FOR MATERIAL INFORMATION (SEP-72 - UNCLASS)

CLASS NO.	DATE ACQ/ISS	COMPACT	DESCRIPTION	COMP CUSTODY/STATUS GRATING POSITION	DATE CUSTODY STATUS GRATING POSITION
Y-17045	20 May 80	Magazines	PT-1140/ABC-160 and Panel Turret Radio, CB-4310 VHF Panel Mount Radio, BT-1105/ABC-164 Unit Remote Radio	Closed - No Objection	Approved 21 Jul 80
Y-17046	20 May 80	Magazines	AN/PSC-48 Radio Set with Short Antenna, YS-1335/PSC-48 Test Set Battery Charger - For Signal-Correlation Battery, and Technical Manuals	Closed - No Objection	Approved 21 Jul 80
Y-17047	27 May 80	B-Systems, 1mm.	AN/TM-41 VHF/UHF Navigation Set	Closed - No Objection	Approved 27 May 80
Y-17048	27 May 80	General Dynamics	Lightweight Ground Surveillance Radio	Closed - No Objection	Approved 27 May 80
Y-18077	27 Jun 80	Littion	Interactive Display Terminal (IDT)	Closed - No Objection	Approved 27 Jun 80
Y-18162	3 Jul 80	William-Johnson	RF Receiver	Closed - No Objection	Approved 3 Jul 80
Y-18202	9 Jul 80	Republic Electronics Inc.	REES-100 Radar Electromagnetic Scatterometer	Closed - Withdrawn by Applicant	Approved 26 Aug 80
Y-18264	16 Jul 80	Telechym	Display RAY System, CP-135 & Computer Display	Closed - No Objection	Approved 16 Jul 80
Y-18265	22 Jul 80	Tracor	ALB-40 Countermeasures Dispensing System	Closed - Withdrawn by OMC	Approved 22 Jul 80
Y-18337		Slade	Sight Vision Device	Closed - Withdrawn by OMC	Approved 26 Jul 80

THE NATIONAL ARCHIVES COLLEGE PARK, MARYLAND 20740-6001

CASE NO.	DATE RECEIVED	CORPORATE	DESCRIPTION	CLASSIFICATION	STATUS	DATE
P-10715	22 Aug 60	Am General Corp.	Truck, 1/4 Ton, mil 35 inches	Classified	Completed	20 Dec 60
P-10716	27 Aug 60	Tracor	Ad/ALB-40 Communications Diagram System, UDC-179 Teletypewriter Set, 1000 Magnetic Tape Cassette, Model 8000 Teletype Receiver, 1100 Teletype Transmitter, 1100 Teletype Unit, Model 33/MS-30 BNC	Classified - Partial	Pending	
P-10717	22 Sep 60	Vaco	Model 9043 Night U navigation Device	Classified - Withdrawn by OMC	Completed	
P-10718	22 Sep 60	Vaco	Model 9043 Starlight Scope	Classified - Withdrawn by OMC	Completed	Oct 60
P-10853	17 Oct 60	Glenn Loranjet Corp	Glenn Loranjet 35A	Classified - With	Pending	
P-10227	4 Dec 60	Boeing Aircraft	Ad/PRC-104 or PR-151 880 M3 Radio	Classified - No objection	April - 6 Feb 61	
P-10795	13 Dec 60	Spac International Inc	Auto Recovery System	Open	Pending	
P-10779	13 Dec 61	General Dynamics	PD-11/14 Mini-computer System	Open	Pending	

ADVISORY OPINION OF SALE AND REPORT OF EQUIPMENT

ADVISORY OPINION OF SALE AND REPORT OF EQUIPMENT

Case No	Date Received	Company	Description	(C)O Contract/Status Final/Disposition	(C)O Contract/Status Final/Disposition
OC-4412	11 Jan 80	Bedford Simulation, Inc.	977 Simulator, General Purpose Training, 1000 Lines of Code (Comments for MARSIM Flight Training)	Closed - No Objection	Approved 5 Jan 80
OC-4479	28 Feb 80	American Electronic Lab	EW Systems (Including Cavity Backed Spiral Antenna)	Closed - No Objection	Approved 4 Jan 80
OC-4314	19 Feb 80	Emerson Electric	Pressure Transducers	Closed - No Objection	Approved 4 Jan 80
OC-4317	25 Feb 80	Teledyne Systems Co	AR/AR-133 Tactical Navigation Set, 1000 Lines of Code	Closed - Withdrawn by OGC	16 Jan 80
OC-4331	25 Feb 80	Bowling Corp.	CM-47 Chinook Helicopter	Closed - No Objection	Approved 10 May 80
OC-4333	19 Feb 80	Gulf & Western Ind.	Small Caliber Ammo Manufacturing	Closed - Objection	16 Mar 80
OC-4472	19 Feb 80	Bedford, Inc.	Service Communications Equipment for Embassy	Closed - No Objection	16 Apr 80
OC-4375	17 Mar 80	General Electric	Ground Based Radar	Closed - Withdrawn by Applicant	1 Jan 80
OC-4384	17 Mar 80	Synco Corp.	AR/AR-93 A AR/AR-901 Vector- graphic Com. System	Closed - No Objection	Approved 4 Jan 80
OC-4412	14 Mar 80	Westinghouse	YF-43 Radar	Closed - No Objection	Approved 3 Jan 80
OC-4474	5 Aug 80	Westinghouse	Automated Mobile Operation Center to Support Capability of AR/AR-93 Radar	Closed - Objection	1 Aug 80

COMPLETION OF SALE AND EXPORT OF EQUIPMENT

Case No.	Date SAC/1/12	Company	Description	Customer/Status Final/Disposition	Customer/Status Final/Disposition
OC-44318	22 Nov 80	Westinghouse	AD/778-43 Radar	Open	Pending
OC-44319	22 Nov 80	Westinghouse	AD/778-43 Radar	Open	Pending
OC-44320	4 Apr 80	Polichill	Mobile Tactical Reconnaissance Facility & Long Range Aerial Photograph System	Closed - No Objection	Approved 4 Sep 80
OC-44321	9 Apr 80	PMC Corp.	W-4842 Cargo Carriers & M113A2 Filter Recovery Vehicles	Closed - Withdrawn by OMC	Disapproved 9 Jun 80
OC-44322	9 Apr 80	C-Tea International, Inc.	M-911 Truck Tractors	Closed - No Objection	Approved 9 Jun 80
OC-44323	18 Apr 80	TeleDyne	Engines for retrofit of military vehicles	Closed - Withdrawn by OMC	Disapproved 9 Jun 80
OC-4709	18 Apr 80	LTV	SCOUT Launch Vehicle	Closed - Withdrawn by Applicant	Ask 9 May 80
OC-47110	23 Apr 80	Union	LA-33 JMS for P-7 (M18) and P-9 (Fusion-A Twin Engine Fighter Bomber) by OMC	Closed - Withdrawn by OMC	Disapproved 9 Jun 80
OC-4829	3 Jun 80	Bumma Corp.	Boeing 500HD Helicopter	Closed - No Objection	Ask 9 Jun 80
OC-4830	6 Jun 80	TeleDyne	Casino Citation aircraft as flying avionics laboratories	Closed - No Objection	Approved 20 Nov 80
OC-4831	13 Jun 80	Yardley Electric Corp.	1000 Silver-line Storage Batteries used on M18 aircraft	Closed - No Objection	Disapproved 9 Sep 80

70002

SECRET

ADVISORY OPINION ON SALE AND EXPORT OF EQUIPMENT

DOC NO.	DATE	COMPANY	DESCRIPTION	STATUS	DATE	REMARKS
OC-4001	17 Jan 60	Beta Laboratories	Anti-aircraft radom, terrain and fire control system	Closed - Withdrawn by OMC	Disapproved 17 Jan 60	
OC-4904	4 Jul 60	Radison	Sale and export of AirBurst equipment	Closed - No Objection	Approved 22 Dec 60	
OC-4912	4 Jul 60	Luckhouse	C-130As	Closed - No Objection	Approved 31 Jul 60	
OC-4914	4 Jul 60	Begins	80-30 Aircraft Defense Radar	Closed - No Objection	Approved 26 Dec 60	
OC-4916	24 Jul 60	Boeing	737-300 Tramp Transport	Closed - No Objection	Approved 3 Dec 60	
OC-4949	25 Jul 60	Ex-Cell-O	Modernize their current inventory of tanks	Closed - Withdrawn by OMC	Disapproved 8 Aug 60	
OC-4970	24 Jul 60	Ex-Cell-O	V-150 Armored Cars	Closed - Withdrawn by OMC	Disapproved 12 Aug 60	
OC-5015	7 Aug 60	Slayer Co.	Discussions on Dome Projection Systems	Closed - No Objection	Pending	
OC-5024	27 Aug 60	Westinghouse	Tech Data on Spaceborne Radio-Logical Sensor/Technology	Closed - Objection	Pending	
OC-5040	21 Aug 60	Leas Siegler	Sale and export of Attitude Heading Reference Systems applicable to tactical fighter aircraft	Closed - Withdrawn	Disapproved 16 Sep 60	
OC-5049	21 Aug 60	Evans	Sale and export of multiple Integrated Laser Equipment System (ILSES), training equipment	Closed - No Objection	Disapproved 4 Dec 60	

SECRET
NO FORN DISSEM

SECRET
NO FORN DISSEM

-Page-

ADDITIONAL DISCLOSURE ON SALE AND EXPORT OF EQUIPMENT (Cont. 4)

DATE ACQUISITION	DATE ACQUISITION	COMPANY	DESCRIPTION	CUSTOMER/STATUS DATE/DISPOSITION	CUSTOMER/STATUS DATE/DISPOSITION
06-3045	27 Aug 80	Exxon	Various 7000 Plotter/Printer	Closed - No objection	Pending
06-3181	5 Sep 80	LTV (Tramont Corp)	Stechert's Scout Launch Vehicle System, Jan 80	Closed - RMA	RMA
06-3187		Teledyne	Model TCS-116-2 Camera	Closed - Withdrawn	Disappeared - 17 Oct 80
06-3190	10 Oct 80	RCA	Range Instrumentation Radar Equipment	Closed - Withdrawn by USC	Disappeared Oct 80
06-3182	18 Oct 80	Raytheon Co.	AN/PSC-170 Digital Transceiver Communications system	Closed - objection	Disappeared 31 Jan 81
06-3186	8 Oct 80	Westinghouse	Acoustic measurement & Treatment Facility	Closed - Withdrawn by USC	Disappeared Oct 80
06-3215	17 Oct 80	Little Systems	LP-33 (M)	Closed - Withdrawn by State	Disappeared 4 Nov 80
06-3222	18 Nov 80	Electronic Memories	Millilized Mil-computer	Closed - RMA	RMA - 3 Mar 81
06-3246	3 Nov 80	PMC Corp.	M160 Cargo Carriers	Closed - No objection	Pending
06-3247	3 Nov 80	PMC Corp.	Armored Infantry Fighting Vehicle	Closed - Withdrawn	RMA
06-3248	3 Nov 80	PMC Corp.	M113A2 Armored Personnel Carriers	Closed - Withdrawn	RMA
06-3262	15 Jan 81	Lehr Siegler, Inc	Target Broom Autopilots	Closed - Withdrawn	Disappeared 3 Mar 81

PRC Dual-Use Export Cases Referred to DoD by Commerce
Department

Unlike the procedures which govern Munitions Control, the request for a license under the Export Administration Regulations constitutes a request for authorization to ship the item, not to negotiate the sale. The exporter has already negotiated with the ultimate consignee and has a contract in hand. Except for the few cases wherein the applicant has requested an advisory opinion, there is an "order" already in hand which the export will fill.

Therefore while only some of the cases listed herein fall within the purview of the 4 September list, all but the first case listed are for items that an element or Ministry of the PRC has requested. Therefore the items in question are not "hunting" expeditions by U.S. industry.

It is also necessary to point out that Group 2 of the 4 September list relates to a line of Honeywell and Digital Equipment (DEC) computers plus a level of disc drives. The specific DEC computer listed is a militarized version of the very popular PDP 11/34. This system is not manufactured by DEC, but by the Mordin Division of United Technologies.

However the non-militarized version by DEC and computers of comparable or higher performance by other mainframe manufacturers were considered to be included or at least implied under Group 2.

James J. Hower
CAPT., USN
Assistant Director
for Technology Trade

22-23
 PRC Dual-Use Export Cases Referred to DoD by Commerce Department
 While appropriate Group and Category from 1 Sept 9 October 1980
 List are cited. NA means not applicable to 4
 Sept list.

RTS NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA None Advisory Option OC 6164	None (No stated cost value)	McDonnell Douglas	DC-9-80 licensed production- basic policy involved, advice and guidance requested, (Joint cooperation in commercial transport aircraft production)	Approval in principle 31 Jan 80
NA 38752 38753 OC 6166	\$ 26,000	GTE Sylvania	Demo of voice digitizer	Approval with provision 17 Jan 80
NA 38956 OC 6172	\$ 500,000	McDonnell Douglas Corp.	Specially designed parts and accessories for use in manufacture of aircraft	Approval 7 Feb 80
NA 38782 OC 6180	\$ 6,517	Mediate Corp.	MYCAM Optical Heads	Approval - 6 Mar 80
NA 37321 37338 OC 6138 37341 OC 6138 S.1	\$ 1,009,000 (price included in back-buy of finished IC)	MUSTER Corp.	Establishment of a facility to manufacture ICs	Approval with provision 22 May 80

STR NO.	VALUE	COMPANY	COMMODITY	REMARKS
401637	Tech Data	Bell Helicopter	Components, accessories and	Approval
411261	Tech Data		TD for assembly of	1 May 80
401630	\$ 30,000,000		helicopters	
401631	\$ 20,000,000			
OC 6188				
166283	Value not	E.I. DuPont	Technology to manufacture	Denial - 10 Apr 80
OC 6184	given	Demours & Co.	Chromium Dioxide Magnetic Tape	
400321	\$ 100,000	McDonnell	CMC Units for Multi-Axis	Approval - 2 Axis
OC 6185		Douglas Corp	Machines, Actron III	Denial - 5 Axis
372915	\$ 1,501,352	Geosport Inc.	20 Salomic Data Processing	10 Apr 80
372917	\$ 4,415,856		Systems with Array Processors	
372920	\$ 7,277,971		and graphic display and	No objection with
372921			plotting systems	provisions - 10 Apr 80
372925				Still working our
372931				details with CDC with
372935				respect to irrevers-
372936				ibility.
372937				
372938				
372939				
372940				
372941				
372942				
372943				
372944				
372945				
372946				
372947				
372948				
372949				
372950				
372951				
372952				
372953				
372954				
372955				
372956				
372957				
372958				
372959				
372960				
372961				
372962				
372963				
372964				
372965				
372966				
372967				
372968				
372969				
372970				
372971				
372972				
372973				
372974				
372975				
372976				
372977				
372978				
372979				
372980				
372981				
372982				
372983				
372984				
372985				
372986				
372987				
372988				
372989				
372990				
372991				
372992				
372993				
372994				
372995				
372996				
372997				
372998				
372999				
420752	\$ 1,435,582	IBM World Trade	One IBM 4331 computer and	No objection subject
OC 6192		Corp.	one IBM 3180 distributed	to conditions.
			data system	15 May 80

<u>BTR NO.</u>	<u>VALUE</u>	<u>COMPANY</u>	<u>COMMODITY</u>	<u>REMARKS</u>
197446 197447 OC 6175	\$ 4,000,000	Alameda Industrial Co.	IC Disc	Approval - 22 May 80
420368 OC 6195	\$ 443,345	Geometrics Inc.	Computer System for Uranium Exploration	Approval with provision 7 August 1980
433849 433847 OC 6193	\$ 38,679.54 26,934.00	Westinghouse Electric Co.	4 Area CMC Unit, Respart from UK	PRC List - 7 August 1980 <i>Series</i>
433848 433846 OC 6193	\$ 2,385,487	Burroughs Corp.	Burroughs 6610 Computer system for UM-sponsored information processing and training center	Approved - 7 August 80

REMARKS

DTN NO.	VALUE	COMPANY	COMMODITY	REMARKS
411759 OC 6186	\$ 40,000	General Electric	9 Area CMC Units, G.E. 1050 MC, temporary export	Deferred
411077 OC 6197	\$ 480,497	Schlumberger Tech Corporation	Temporary export of a DEC/VAX 11/780	Awaiting clarifying statements from applicant <i>Disputed</i>
411078 OC 6201	\$ n/a	Digicon Inc.	Advisory Opinion on proposed export of DEC VAX 11/780 computer system for seismic processing	Deferred subject to safeguards issue being developed for Western Geophysical - 2 Aug 81 <i>Disputed</i>
411079 OC 6212	\$12,723,112	Western Geo-Physical Co. of America	IBM 3033 computer for oil exploration	US-owned and operated <i>Disputed</i>
411080 OC 6213	\$15,210.00	Digital Equipment Corp.	Reexport to Japan - VRI7 graphic display with VRI1 controller, request for advice and guidance	<i>Disputed</i>

STR NO:

33645

OC 6212

43712

OC 6212

VALUE

\$ 15,210.00

\$2,371,992.00

COMPANY

Digital
Equipment
Corp.

Spartan World
Trade

OC DOCUMENTS

COMMODITY

Reexport from Japan - VRI7
graphic display with VRII
controller, request for advice
and guidance

Loan of Univac 1100/11 computer
system for "Joint Project" and
maintenance training of PRC
Personnel

REMARKS

Approved for reexport

Approved

TECHNICAL DATA

SIR NO.	VALUE	COMPANY	COMMODITY	REMARKS
PA 306491	No stated cost value	United Technologies Corporation	Tech Data for manufacture or selected components of Pratt and Whitney of Canada PT6T-6 turboshaft aeroengine	No objection as long as release is limited to PT6T-6 engine as requested - 6 Mar 80
PA 407117	\$159,000,000	Aluminum Co. of America	Tech Data, construction, operation, 3 aluminum smelters, Alcoa 697 pot cell design including ancillary facilities	No objection 25 Feb 80
PA 408742	\$ 2,000,000	Union Oil Co. of California	Tech Data - Design, construction and operation of uncracking hydrocracking unit	No objection 3 Jan 80
PA 413024	\$ 5,000,000 (Est)	Asla Budget	Tech Data - Engineering design, construction, operation and maintenance of plant to hydrotreat naphthalene and produce phthalic anhydride from desulfurized naphthalene	No objection
PA 413183	\$159,000,000	Aluminum Co. of America	Tech Data - Bauxite and Limestone mine and an alumina refinery plant	No objection 11 Apr 80
PA 413612	\$ 1,000,000	Union Carbide Corp	TD for purification of hydrogen using pressure swing absorption system	No objection 18 March 80

REMARKS

COMMODITY

COMPANY

VALUE

OTR NO

No objection
7 Apr 80

Tech Data - construction
operation and maintenance of
gas purification plant for
removal of acid gases.

Allied Chemical
Corp.

\$ 212,000

420112

No objection
9 Apr 80

Tech Data - Manufacturing drawings,
design, procedures, manuals, specs,
training, production of industrial
and commercial electrical power
shunt capacitors

McGraw-Hill Co.

\$ 315,000
(approx)

420903

No objection
19 Mar 80

Tech Data for production of acrylic
insulation polymers

Rohm & Haas Co.

\$ not yet
negotiated

421801

No objection
21 May 80

Tech Data - Construction of
structural components of off-highway
trucks in 120 and 170 tons capacity
and final assembly

WABCO Construction
and Mining Group

\$ not yet
negotiated

421800

No objection
29 April 80

Manufacturing drawings, specs, and
test data relating to heavy machinery
portion of Sperry Gyrofin Ship
Stabilizer

Sperry Corp.

\$ 25.00
(Reproduction
cost of drawings)

420750

No objection
7 Apr 80

Tech Data - geophysical data
offshore including maps

Shell Development
Company

\$ 6,000,000

424314

424315

424316

424317

424318, 19

STR NO.

STR NO.	VALUE	COMPANY	COMMODITY	REMARKS
PA 414745	\$ 50,000	Bentley Corp.	Tech Data for removing carbon dioxide/hydrogen sulfide from synthesis gas	No objection - 21 Feb 80
PA 414903	\$ not applicable	Coca Cola Co.	Tech Data for construction of a facility to produce Coca Cola	No objection - 24 Jan 80
PA 415628	\$ 120,000 plus royalties	Rosemount Inc.	Tech Data for production of Model 1151 electronics pressure transmitters	No objection to release of basic tech data 14 Apr 80
PA 416700	\$ not stated	Singer Co.	Know-how technical info and tech data for assembly and manufacture of household sewing machines	No objection - 4 Mar 80
PA 416953	\$ not applicable	Allie Chalmers Corporation	Blueprints, mechanical drawings, and material specs for proposed package for tractor parts	No objection - 13 Mar 80
PA 418443	\$ 700,000	Davy McKee Corp.	Tech Data feasibility study for expansion of Chiao and Hsueh gold and silver mines, beneficiation plants and recovery plants	No objection - 14 Feb 80
PA 418990	\$ 4,000,000	American Cyanamid Company	Tech Data - Titanium dioxide plant and waste treatment plant	No objection - 22 Apr 80
PA 417830	\$ 850,000	G.E.	Drawings, Specs, assembly, test	No objection - 30 Jan 80

QTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 410157	\$ 25	Sperry Corp	Specs and drawings related to a Sperry MK37 and Mod 1	No objection - 7 Jul 60
NA 420944	\$ 3,800,000	G.E.	Drawings, Specs, assembly, tests and training related to assembly of black and white TV receivers and chassis	No objection - 3 Jul 60
NA 432476	100,000	Sperry Corp.	Drawings, process sheets, specs, quality control and test procedures relating to production of a series of industrial hydraulic control valves	No objection - 17 Jul 60
NA 417950	\$ no cost value	Sperry Corp.	Request for quotation for manuf. of small vessel autopilot Sperry Model 8T	No objection - 10 Jul 60
NA 440263	\$ no stated	Garrett Corp.	Request for quotation to manuf parts in PNC on environmental control systems on Boeing 707, 737, 474, 767 model aircraft	No objection - 31 July 60
NA 445275	\$ not applicable	Xerox Corp.	Set of drawings for Xerox Model 3300 copying machines	No objection - 11 Jul 60
NA 506358	\$ n/a	Hughes Tool Co.	Drawings, specs to produce core type rock bits	No objection - 28 Aug 60

STR NO.	VALUE	COMPANY	TECHNICAL DATA CASES	REMARKS
			COMMODITY	
432476	\$ 300,000	Sperry Corp.	Manufacturing drawings, process sheets, etc, industrial hydraulic control	No objection - 18 July 80
440528	\$ 5,308,000	WEAN United Inc.	TD to galvanizing line, coil painting line and roll forming line associated with cold rolling mill steel plant	Received 13 Aug 80 No objection - 8 September 80
501827	\$27,500,000 plus royalties	Hughes Tool Co.	Know-how, info, tech assistance and training production and use of oil field rock bits	Received 30 July 80 Comparable to previous case for USSA
504358	\$ n/a Royalties to be paid	Hughes Tool Co.	Drawings, specs to produce core type rock bits	Received 8/7/80 Closed by Dr. Carlone

STR NO.	VALUE	COMPANY	COMMODITY	REMARKS
384923 384924 384925 384926 384927 384928 384929 384930 384931 384932 384933 384934 384935 384936 384937 384938 384939 384940 384941 384942 384943 384944 384945 384946 384947 384948 384949 384950 384951 384952 384953 384954 384955 384956 384957 384958 384959 384960 384961 384962 384963 384964 384965 384966 384967 384968 384969 384970 384971 384972 384973 384974 384975 384976 384977 384978 384979 384980 384981 384982 384983 384984 384985 384986 384987 384988 384989 384990 384991 384992 384993 384994 384995 384996 384997 384998 384999	\$ 229,640	Camatsau- Goabo-Inc. (USA)	Manufacturing equipment for ICA	Deny Kasper Model 2001 Approve PMS 500 30 Jan 80
405981 405982 405983 405984 405985 405986 405987 405988 405989 405990 405991 405992 405993 405994 405995 405996 405997 405998 405999	\$ 4,565	Hewlett Packard	Scope and Probe	No objection - 10 Mar 80
406001 406002 406003 406004 406005 406006 406007 406008 406009 406010 406011 406012 406013 406014 406015 406016 406017 406018 406019 406020 406021 406022 406023 406024 406025 406026 406027 406028 406029 406030 406031 406032 406033 406034 406035 406036 406037 406038 406039 406040 406041 406042 406043 406044 406045 406046 406047 406048 406049 406050 406051 406052 406053 406054 406055 406056 406057 406058 406059 406060 406061 406062 406063 406064 406065 406066 406067 406068 406069 406070 406071 406072 406073 406074 406075 406076 406077 406078 406079 406080 406081 406082 406083 406084 406085 406086 406087 406088 406089 406090 406091 406092 406093 406094 406095 406096 406097 406098 406099	\$ 108,125 198,960	Laser Analytica Inc.	Laser source spectrometers	No objection from technical nological standpoint, but for USSR should be reviewed after redefini- tion of procedures 10 Mar 80
406101 406102 406103 406104 406105 406106 406107 406108 406109 406110 406111 406112 406113 406114 406115 406116 406117 406118 406119 406120 406121 406122 406123 406124 406125 406126 406127 406128 406129 406130 406131 406132 406133 406134 406135 406136 406137 406138 406139 406140 406141 406142 406143 406144 406145 406146 406147 406148 406149 406150 406151 406152 406153 406154 406155 406156 406157 406158 406159 406160 406161 406162 406163 406164 406165 406166 406167 406168 406169 406170 406171 406172 406173 406174 406175 406176 406177 406178 406179 406180 406181 406182 406183 406184 406185 406186 406187 406188 406189 406190 406191 406192 406193 406194 406195 406196 406197 406198 406199	\$ 15,000	IBM Corp.	Scope	No objection - 7 Feb 80
406201 406202 406203 406204 406205 406206 406207 406208 406209 406210 406211 406212 406213 406214 406215 406216 406217 406218 406219 406220 406221 406222 406223 406224 406225 406226 406227 406228 406229 406230 406231 406232 406233 406234 406235 406236 406237 406238 406239 406240 406241 406242 406243 406244 406245 406246 406247 406248 406249 406250 406251 406252 406253 406254 406255 406256 406257 406258 406259 406260 406261 406262 406263 406264 406265 406266 406267 406268 406269 406270 406271 406272 406273 406274 406275 406276 406277 406278 406279 406280 406281 406282 406283 406284 406285 406286 406287 406288 406289 406290 406291 406292 406293 406294 406295 406296 406297 406298 406299	\$ 71,680	Keithley Instruments Inc.	Digital Multimeter	No objection - 14 Feb 80
406301 406302 406303 406304 406305 406306 406307 406308 406309 406310 406311 406312 406313 406314 406315 406316 406317 406318 406319 406320 406321 406322 406323 406324 406325 406326 406327 406328 406329 406330 406331 406332 406333 406334 406335 406336 406337 406338 406339 406340 406341 406342 406343 406344 406345 406346 406347 406348 406349 406350 406351 406352 406353 406354 406355 406356 406357 406358 406359 406360 406361 406362 406363 406364 406365 406366 406367 406368 406369 406370 406371 406372 406373 406374 406375 406376 406377 406378 406379 406380 406381 406382 406383 406384 406385 406386 406387 406388 406389 406390 406391 406392 406393 406394 406395 406396 406397 406398 406399	\$ 96,105 31,735	GeoMetric Inc.	Magnetometer	No objection - 17 Mar 80
406401 406402 406403 406404 406405 406406 406407 406408 406409 406410 406411 406412 406413 406414 406415 406416 406417 406418 406419 406420 406421 406422 406423 406424 406425 406426 406427 406428 406429 406430 406431 406432 406433 406434 406435 406436 406437 406438 406439 406440 406441 406442 406443 406444 406445 406446 406447 406448 406449 406450 406451 406452 406453 406454 406455 406456 406457 406458 406459 406460 406461 406462 406463 406464 406465 406466 406467 406468 406469 406470 406471 406472 406473 406474 406475 406476 406477 406478 406479 406480 406481 406482 406483 406484 406485 406486 406487 406488 406489 406490 406491 406492 406493 406494 406495 406496 406497 406498 406499	\$ 41,200	Burleigh Instru.	Demo of PCL Laser	No objection - 13 Mar 80

RTN MO.

416801
416804
416805
416221
416224
416226
416228
416229
416230
416231
416232
416233
417301
417303
417305
417306
428092
W-1385

VALUE

26,008.98
4,011.70
10,768.85
2,227.00
4,958.05
8,714.20
4,436.00
9,409.50
7,175.00
3,709.40
3,983.95
8,514.45
10,140.50
26,066.10
18,600.00

COMPANY

Fluke Int'l Corp

COMMODITY

Digital Voltmeters

REMARKS

No objection - 1 May 66

*Fluke (Hawaii), Inc.
Fluke Corp
3006*

Radiometer System

No objection - 16 May 66

Communications Service Monitor

No objection - 9 Apr 66

Demo of Siter V Alpha Telex Exchange

No objection - 16 May 66

Marine Selsamic Streamer Cable and related hydrophones

No objection - 16 May 66

419335
W-1387

427021
W-1391

422949
W-1389P

403591
W-1388

DATE	QTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
4/24/68	424915 W-1408P	\$ 435,350	IBM World Trade Corp.	Export of IBM 370/138 Computer System	No objection with provision - 11 Jun 68
4/24/68	433368 W-1400	\$ 11,160	Hewlett-Packard	Microwave TWT amplifiers	No objection - 29 May 68
4/24/68	395944 W-1402P	\$ 182,300	Digital Equipment Corp.	Reexport from Hong Kong - POP 11/14 computer system with R101 disc drive and UR 17 graphic display	Approved POP 11/14 denied graphic display 30 Jun 68
4/24/68	420114 W-1405	\$ 107,554	DEG Geometrics Division	Magnetometer Systems	Approved - 25 Jun 68
4/24/68	433559 W-1407	\$ 10,480	RCA	Photomultiplier Tubes	Approved - 21 May 68
4/24/68	437929 W-1418	28,000	Hewlett-Packard	Cesium Beam Frequency	Approved - 25 Jun 68
4/24/68	439288 W-1421	\$ 21,000	EG&G	Spectroradiometer System	Approved - 25 Jun 68
4/24/68	443488 W-1431	\$ 16,500	Fluke Int'l	Counter	Approved - 10 Jul 68
4/24/68	406380 W-1404P	\$ 48,120	Hewlett-Packard	Calculator with Frequency	Approved - 10 Jul 68
4/24/68	447136 W-1433	\$ 10,357	RCA	Photomultiplier	Approved - 16 Jul 68

*Re: The RCA counter photomultiplier tube
for commercial/educational/health generation
if any/beam frequency in Group 11 C
These tubes relate to 74 negative and are not
really covered under Group 11.*

WALVER MEMOS

QTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
353695 AM NA W-1113	\$ 68,000	General Electric	4 ea. EG 1050 MCL CMC units with parts and accessories	No objection 8 October 89
420630 NA W-1390P	\$ 5,253,000	MTS Systems Corporation	Aircraft structural loading and Data Acquisition System	
401134 NA W-1397P <i>sample of data to be given</i>	\$ 331,298	Perkin Elmer Computer Systems Div.	Model 8/32 computer system with 300 MByte disc drive	
390677 NA W-1404P	\$ 27,763	Tektronix Inc.	Tektronix Graphic Terminal	
426906 NA W-1412	\$ 116,812	Hadron Inc.	Holographic Laser Systems	
440964 NA W-1415P	\$ 15,680	Citation Computer Systems	Intel Microcomputer development system request for advice and guidance	<i>denied</i>
434603 NA W-1416P	\$ 25,000	Acoustic Technology Corp.	Acoustic Emulation Test System	<i>Approved</i>
415865 NA W-1424P	\$ 4,000	Cromenco International Inc.	Single card computers	<i>Approved</i>
416959 NA W-1435P	\$ 45,000	General Telephone & Electronics (GTE)	Proposed demo of a GTD-120 PABX	No objection 1 August 89

<u>DTN NO.</u>	<u>VALUE</u>	<u>COMPANY</u>	<u>COMMODITY</u>	<u>REMARKS</u>
442915 W-1429	\$ 16,000,000	Douglas Aircraft Corporation	Source tools (Master tools) used in production of the DC-8-80	No objection - 17 September 80
364225 364226 364231 364234 364227 364228 364229 364232 W-1438	\$ none	Geophysical Services	Seismic Exploration	w/cond. 17 September 80
446051 W-1435	\$ 23,156	Fluke Int'l	Calibrator	
435942 W-1441P	\$ 10,000	IBM World Trade	Maintenance device for IBM disc storage	No objection - 8 September 80
443860 W-1444	\$ 167,492	Apollo Laser, Inc.	Ruby Holographic Laser and Camera System	No objection - 8 September 80
W-1449 446066	\$ 33,200	Infrared Assoc. Incorporated	Infrared detector	Additional info requested - 8 September 80

Approved
 but must be
 signed on
 before it can be
 done. It must be
 signed.

STP NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 431632	\$ 18,430	B&P Sales Corporation	Infrared radiation detection equipment	No objection - 23 September 80
NA 432633	112,375			
W-1447				
NA 502631	\$ 65,000 approx.	Analog Devices	Various converters, etc.	
NA 502632				
NA 502634				
NA 502636				
NA 502700				
W-1452				
NA 429195	\$ 150,750	Systems, Science and Software	E-Beam Laser System	
W-1457	7,900			
NA 506128	\$ 11,125	Hewlett-Packard	Oscilloscope	No objection - 29 September 80
W-1458				

BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 438981	\$ 12,939	Raytheon Company	Electron tubes, machlett tubes, water, jacket, O-ring gaskets	No objection - 8 Jul 60
NA 431600	\$ 16,969.99	Varian Corp.	Parts for Varian 620L-100 System	No objection - 16 Jul 60
NA 435260	\$ 72,655	Electronic Associates, Inc.	EAI 2000 analog computer	No objection - 10 Jul 60
NA 431393	\$ 21,463	Hewlett-Packard	Spectrum analyzer	No objection - 11 Aug 60
NA 433086	\$ 210,000	Easton Corp.	Air Traffic control processing and display system, low noise amplifier	No objection - 11 Aug 60
NA 433364	\$ 1,125	11-VI Inc.	Zinc Selenide Optical Micros	No objection - 15 Aug 60
NA 447133	\$ 2,017	National Semiconductor Corporation	LM4250	No objection - 25 July 60
NA 447962	\$ 2,870	EG&G	550 radiometer system and accessories	No objection - 23 July 60
NA 500691	\$ 1,348,437	Asper Int'l	Videotape recorders reproducers	No objection - 25 July 60
NA 505711	\$ 129,500	Digital Equip-	1 PDP 11/34 computer system	No objection - 26 Aug 60

Get equipment for Navy, not returned in either Group 3 or 6

QTR NO.
505737

VALUE
\$4,677.00

COMPANY
Hewlett-Packard

COMMODITY
Spectrum Analyser

REMARKS
Approved - 26 Aug 81

Handwritten signature

3TH CASES

VALUE	COMPANY	COMMODITY	REMARKS
\$ 381,715	11-VI Inc.	Cylindrical grinder, wafer edge grinder, silicon wafer grinder	No objection 24 September 80
\$ 36,000	WEAW United Incorporated	DEC PDP 11/04 computers w/28K of core memory	No objection 8 September 80
\$ 220,139.10	Canberra Industries	Amended to include teletype, print head, Fortran programming language to Fortran IV	No objection 13 August 80
\$ 1,306	RCA	VET 250 cassette video recorder	No objection 31 July 80
\$ 1,950.00	Eastman Kodak Co.	Film	No objection 8 September 80
\$ 11,790.00	Solartron	CPU, LSI, Floppy Disc, decoder, diodes	No objection 10 September 80
\$ 1,217.00	National Semiconductor Corporation	Transistors	
\$ 20,000.00	Control Data Corporation	Spare parts for CDC Cyber 18-20 computer system	Refer to 18-20 8 September 80

BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
NA 506153	\$ 2,387.00	Analog Devices Inc.	Converters	
NA 507140	\$ 734.00	Eastman Kodak Co.	High Definition Aerial film	Deny - 2 Oct 80

ATR NO.
505711

VALUE
\$ 129,500

COMPANY
Digital Equipment Corp.

COMMODITY

1 PDP 11/34 computer system with associated spares, supplies, and software

REMARKS

No objection - 24 Apr 74

504701

\$ 3,056.87

Laser Precision Corporation

Energy ratlometer, probe

No objection - 27 Apr 74

RTR NO.		COMMODITY		REMARKS	
VALUE		COMPANY		COMMODITY	
401050	\$ 4,215	Texas Instruments	Demo of portable terminal incor-	Denial - 7 Jan 80	
CM 2188			porating bubble memory device		
398070	\$ 10,890	Worland Corp.	Worland Model 3001 processing	No objection - 28 Jan 80	
370891	28,098		digital oscilloscopes		
389819 (USSR)	54,812				
CM 2221					
398937	\$ 245,810	Digital Equipment	DEC PDP 11/34 computer w/HK07	No objection providing	
CM 2257		Corporation	disc drives	software is minimum	
				required to support end	
				use - 14 Jan 80	
405594	\$ 700,000	Grant Geophysical	Seismic data processing system	No objection - concurs with	
CM 2263		Corporation	with array transform processor	DOC - 21 Feb 80	
406396	\$ 54,000	Mohawk Data	2 MDS 21/50 multiple application	No objection - 10 Mar 80	
410648	20,000	Sciences Corp.	processing systems		
CM 2304					
413820	\$ 56,835	Hewlett-Packard	HP1000 Model 10 computer for use	No objection - 10 Mar 80	
CM 2307			in a C-100 planitcomp stereoplotting		
			system		
420216	\$ 34,000	JAM World Trade	Service (Customer) engineering	No objection - 22 Feb 80	
CM 2331		Corp.	education on IBM Series 1		
			Computer Systems (Tech Data)		

<u>BTB NO.</u>	<u>VALUE</u>	<u>COMPANY</u>	<u>COMMODITY</u>	<u>REMARKS</u>
420217 CM 2327 NA	\$ 63,600	IBM World Trade Corp.	Customer Engineering Education on IBM 4331 Computer System (Tech Data)	No objection provided in understate this will not prejudice US position on hardware - 11 Apr 80
993645 CM 2343 NA	\$ 77,570	Sackman Assoc.	Model 4047A disc drive, printer and accessories for use with PRC computer	No objection provided tech data is limited to standard operation and maintenance info 22 Apr 80
419223 CM 2345 NA	\$ 11,600,000	Aluminum Co. of America	3 DEC PDP 11/34 computer systems.	No objection - 22 Apr 80
421314 CM 2357 NA	\$ 13,318	Colorado Video Inc.	Digital image processing equipment	No objection - 5 June 80
421314 CM 2357 NA	\$ 110,762	Burroughs Corp.	Burroughs B92 Computer System	No objection - 14 May 80
366452 366457 366468 CM 2363 NA	\$ 45,600 15,200 45,600	WANG Labs	Enhancement of computer systems with WANG 2265V disc drives	No objection - 25 Jan 80
429821 CM 2368 NA	\$ 379,500	ASEA AB Sweden	Reexport from Sweden - 3 ModComp, Computer systems for use in Electric Power Distribution	No objection - 1 Jul 80

ITEM NO.	VALUE	COMPANY	COMMODITY	REMARKS
413255 CM 2355	\$ 445,344	WANG Labs	Demo of WANG Computer Equipment	No objection - 14 May 60
413287 CM 2359	\$ 123,739	Electronic Associates Inc.	EAI 2000 Analog/Hybrid Computer System	No objection - 3 Jul 60
413962 CM 2440	\$ 99,303	Pertin-Klar	Enhancement of DJS-184 computer (PRC Origin) with teype units	No objection - 29 Aug 60

413255

413287

413962

CM 2355

CM 2359

CM 2440

WANG Labs

Electronic Associates Inc.

Pertin-Klar

Demo of WANG Computer Equipment

EAI 2000 Analog/Hybrid Computer System

Enhancement of DJS-184 computer (PRC Origin) with teype units

No objection - 14 May 60

No objection - 3 Jul 60

No objection - 29 Aug 60

COMPUTER MEMOS

CTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
188139 (PRC) 300786 (PRC) 320467 (PRC) 417104 (Hungary) CM 2341	\$ 132,620 132,620 262,748	Dunegon Endevco	Computerized Source Location System (Acoustic Emission Monitoring System)	No objection - 19 September 00
419601 CM 2367	\$ 1,363,813	IBM World Trade	One IBM 4331 and 2 IBM Series computers	
438289 CM 2390	\$ 10,300	Chow Yang Co. El Cerrito, CA	Microcomputer parts and accessories	
434442 CM 2393	\$ 3,800,000	Heath Company Int'l Division	2000 sets of HP89 digital computer w/HP 89/H-8-21 disk drive operating systems with microsoft basic	No objection - 10 September 00
501007 CM 2395	\$ 106,400	Sackman Assoc.	Parts and components for Nova 4/X Computer used in testing construction material	Requested 4/11/11 Info 25 July 00
993909 CM 2414	\$ 1,100,000	Canadian Embassy	Reexport from Canada - Computer System for Processing Geological data	No objection - 17 September 00
432394 CM 2341	\$ 260,000	Digital Equipment Corp.	Export of PDP 11/34 computer	

SPR NO.	VALUE	COMPANY	COMMODITY	REMARKS
UA 434879 CM 2435	\$ 7,368	Argonne Labs	Computer and related equipment for Institute for High Energy Physics	No objection - 12 September 80
UA 501795 CM 2431	\$ 70,585	Kennedy Co.	Model 9300 tape drives, 9218 formatters to enhance Command III A computer system	No objection - with conditions - 18 August 80
UA 434879 CM 2445	\$ 105,591	Texas Instruments	Computer System	No objection - 23 September 80
UA 435840 CM 2448	\$ 162,050	Wang Labs	Wang Computer with High ECTR	Concur with Commerce 23 September 80
UA 440082 CM 2480	\$ 85,000	Digital Equipment Corp.	PDP 11/04 systems with RL111 RL01 disc controller drive	No objection - with conditions - 8 October 80
UA 442638 CM 2484	\$ 300,000	Digital Equipment Corp.	PDP 11/34 16 bit CPU with 2.1 Mbita semiconductor memory	
UA 445616 CM 2486	\$ 160,000	Systems Tech. Int'l Inc.	DEC PDP 11/34 CPU with RL02 and CAMAC Interface	
UA 501986 CM 2417	\$ 149,238	ICA	2 MOVA 4/x Computer systems	No objection - 23 September 80

BTR NO.	VALUE	COMPANY	COMMODITY	REMARKS
503733 CM 2441	\$ 9,680	Taching Import	Proposed denial of IL 1529 equipment	
503796 CM 2462	\$ 276,105.00	Burroughs Corp.	Demo of Burroughs Computer System	
505371 CM 2441	\$ 8,153.79	Geospace Corp.	Spare parts for A GS C 1704 seismic digital computer processor	

EQUIPMENT THE PRC HAS EXPRESSED INTEREST IN —
NO NUMERICAL LICENSE APPLICATIONS SUBMITTED
(as of 24 Feb 1981)

EQUIPMENT

CONSEC Gear
QTN Radar
Domestic Communications Satellite
Night Viewing Devices (all types)
TPS-58 Radar
Aircraft Engines and Accessories
Inertial Navigation System (LITN-51)

U.S. COMPANY

Technical Communications Corp.
General Electric
Hughes Aircraft
Venus, Varo, ITT, et al
General Electric
Pratt-Whitney & GE
Litton



DEFENSE AND
TECHNOLOGY

~~SECRET~~
OFFICE OF THE UNDER SECRETARY OF DEFENSE

WASHINGTON, DC 20301

6 March 1981

MEMORANDUM FOR ACTING DEPUTY UNDER SECRETARY (INTERNATIONAL PROGRAMS AND TECHNOLOGY)
DEPUTY ASSISTANT SECRETARY (EAST ASIA & PACIFIC AFFAIRS),
INTERNATIONAL SECURITY AFFAIRS
OFFICE OF GENERAL COUNSEL (INTELLIGENCE, INT'L & INVESTIGATIVE PROGRAMS)
DEFENSE INTELLIGENCE AGENCY (ASS'T VICE DIRECTOR FOR SCIENTIFIC & TECH INTELLIGENCE)
DIRECTOR FOR FAR/MIDDLE EAST/S HEMISPHERE AFFAIRS (DUSD/FPAT)
ORGANIZATION JOINT CHIEFS OF STAFF (J3 - FAR EAST/SOUTH ASIA DIV)
DEPARTMENT OF THE NAVY (OP-62)
DEPARTMENT OF THE AIR FORCE (CVAIF)
EXECUTIVE OFFICER, OUSDPA

SUBJECT: PRC MIG-21 Engine Overhaul-Coating Request (C)

(U) On 2 March 1981 (15:25-15:31) I received a phone call from Mr. Lennox K. Black, President of Teleflex, Inc. (parent company of Sermetal, Inc.). Mr. Black stated that the Chinese (PRC) had told him that the Chromalloy American Corporation had recently received approval from the USG to coat three Chinese MIG-21 aircraft engines with their special ceramic-metallic oxide coatings, and that once coated, the engines were to be returned to the PRC for Chinese test and evaluation.

(U) Mr. Black further indicated that the Chinese would like for his company to likewise coat seven other MIG-21 engines using the Sermetal-J process. Sermetal would, like Chromalloy, also return the engines back to China for their test and evaluation. He asked if the Chinese statement was true; and if so, would his company receive the same treatment? I remarked that I would look into the situation and that all companies would be treated the same.

(U) LtC B. A. Meiser, Director, Munitions Control Staff of my Office, reviewed all DoD cases for the PRC and also contacted the Office of Munitions Control (OMC) at State to see if they had either received or approved any such license for the PRC. Neither OUSDPA nor OMC files revealed any such license application or resultant approval. Mr. W. Robinson, Director of OMC, did indicate to LtC Meiser, however, that he had heard there might be such an application forthcoming shortly. Under the present guidelines as noted in Newsletter 81 and subsequent interpretations thereof, license applications of this type cannot be approved. Mr. Robinson further stated that he would either disapprove or return without action (RWA) all such applications.

(U) At my request, Mr. Robinson indicated he would not disapprove or RWA such license applications until we had the opportunity to discuss them in detail. He was also asked to immediately inform us and his superiors whenever the Chinese, Chromalloy or Sermetal/Teleflex do submit applications for this purpose.

CLASSIFIED BY: DUSD/FPAT
DECLASSIFY ON: 6 Mar 1987

~~SECRET~~

DECLASSIFIED BY AUTHORITY OF
OSD

21 MAY 96 93-F-2441
DATE

~~SECRET~~

(C) The primary rationale for requesting CMC/State to delay immediate adverse action on these licenses is because of the potential opportunities they provide the new administration. If approved, they would allow the U.S. to cautiously move into a moderate but closer defense relationship with the Chinese; and it would provide the type of technical assistance they have repeatedly emphasized they need with respect to their interceptor aircraft.

(U) Approval in this instance is obviously a major policy decision, and not simply an operational or technical one, even though the number of engines involved is small and the objective is simply to coat the engines, not transfer the technology. For your information, U.S. companies have set up similar coating facilities in both Western European and East Asian (e.g., Japan and Malaysia) countries, and could be approached by the Chinese to perform the same service.

(S) There are, of course, other potential benefits to the U.S., not the least of which would be the excellent opportunity to exploit the Chinese engines for technical intelligence purposes. If considered appropriate, arrangements could probably be made for the U.S. to assist the Chinese in a joint test and evaluation program. This would be extremely helpful to us if proper test controls and conditions were followed and we had access to all of the test results.

(C) An advantage to approving this type of license application is the fact that only the result (or product) of U.S. technology would be exported. Neither the production know-how nor a process-line type of capability would be exported. Of itself, it potentially opens up for consideration other U.S. services which might be made available to help the Chinese improve their overall tactical posture. At the same time, however, this approach would have the PRC dependent upon the U.S. for future services, unless of course, later USC decisions permitted the technology and process equipment to be exported. Providing only services has other advantages as well. It is, for example, much less dramatic and provocative vis-a-vis the USSR, and is consonant with the step-by-step approach to improving US-PRC relations agreed to during earlier meetings with the Chinese. It would most likely require consultations with our COCOM allies, however, as well as a revision of existing guidelines.

(C) The potential disadvantages of approval are those associated with any closer defense relationship with the Chinese. In addition, the Chinese could convey the results of their tests and evaluations to the USSR. The net benefits to China of their doing so are less obvious, however.

(U) This does appear to be one of the more unique opportunities available to move towards a closer US-PRC relationship. It would also start things moving again vis-a-vis the PRC. It appears to have very limited risks for our own security, and does have other side benefits. It must be a conscious move on our part, however, and should be taken only after the relative risks and benefits have been evaluated by OSD, OJCS and the Services.

(U) Your comments and guidance on what action to take regarding the above-mentioned cases are requested.

Francis B. Kapper
Francis B. Kapper, Director
Military Technology Center

~~SECRET~~



RESEARCH AND
ENGINEERING

THE UNDER SECRETARY OF DEFENSE

WASHINGTON D.C. 20301

24 FEB 1981

MEMORANDUM FOR THE SPECIAL ASSISTANT TO THE SECRETARY AND DEPUTY SECRETARY
OF DEFENSE

SUBJECT: Status Report on PRC Munitions and Commodity Export Cases

As requested, please find attached the following items by tab:

TAB A - PRC munitions cases referred to DoD from 1 January 1980 to
~~20 January~~ 1981 by the Department of State
3 March

TAB B - PRC Commodity Control export cases referred to DoD by the Department
of Commerce from 1 January to 9 October 1980

TAB C - Military equipment the PRC has expressed strong interest in but for
which no munitions license applications have been submitted

see new TAB A
The updated munitions list (Tab A) should ^{not} be considered a draft as the
Department of State is still in the process of verifying the status of each
case and adding new cases to the list which have come in since 21 January 1981.
As of 20 January, a total of 102 munitions cases have been referred to DoD by
State, and we estimate that approximately 20 additional munitions license
applications have been received since President Reagan's inauguration. All
of these applications will be shown in our 1 March update. Due to an extremely
heavy case load, the Office of Technology Trade has been unable to update the
list of dual-use items covered by the Commodity Control List (CCL). Unless
directed otherwise, we will ask that a complete list of PRC requests for items
on the CCL be sent to the CIA by the Office of Export Administration (OEA) of
the Department of Commerce.


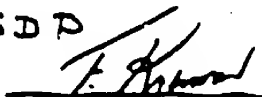
It should be realized that without holding detailed discussions with all of
the U.S. industry representatives doing business with the PRC, there is no
realistic way of knowing precisely everything the Chinese may wish to export
from the U.S. Rather than risk outright disapproval by the U.S. Government,
the Chinese typically try to get U.S. companies to seek an advisory opinion
from the U.S. Government as to whether or not a particular request will be
approved prior to making formal application. For your information, of the
102 munitions cases received from State, nine are still open (i.e., pending)
and 93 have been closed. Of the 93 closed, 50 were approved, four were dis-
approved, 31 were withdrawn and eight were Returned Without Action (RWA).
Almost all of the 39 cases either withdrawn or RWA would have been disapproved
by DoD. The export of the SCOUT Space Launch Vehicle was one such RWA case
we would have strongly disapproved of because of its strategic potential as
a Chinese ICBM.

The Chinese have expressed very keen interest in a number of military items which are either expressly prohibited by current U.S. policy or are not in the categories of equipment permitted for export by Munitions Newsletter #81. The major examples include their specific requests for anti-tank weapons, over the horizon (OTH) radar and for U.S. assistance in improving their F-8 interceptor aircraft, including fire control and inertial navigation systems, ECM gear, etc. We have also informally learned of a number of PRC inquiries for munitions items which neither the Chinese nor U.S. industry have officially requested permission to export. Examples of these are noted at Tab C.

By way of additional background, Dr. Frank Kapper, Director, Military Technology Sharing, OUSDR did, with Dr. Dinneen's approval, meet with Mr. Charles Neuhauser, Assistant National Intelligence Officer (NIO) for East Asia (now Acting NIO) on 1 July 1980. The purpose of his meeting was to both give and receive information which would be helpful to the CIA on the one hand and to the USDR during his September visit to China. Mr. Neuhauser was provided copies of all MFR's which documented the meetings with Mr. Liu Huaqing and Vice Premier Geng Biao. In addition, the CIA was provided the then most recent copies of the list of munitions and dual-use export cases that had been referred to DoD by the Departments of State and Commerce. Mr. Neuhauser was also given copies of all PRC wish lists including the one given to Dr. Dinneen by Mr. Liu on 6 May 1980. Also provided was a copy of the 3 June 1980 "Summary of United States Department of Defense Positions on PRC Requests for Military Support Equipment". This is the a-b-c category list which identifies items we would consider for export (a); items we felt we needed more information on (b) and items we said we would not consider for export (c). Mr. Neuhauser stated he had accompanied Secretary Brown on his January 1980 trip to China and had also been designated as the CIA focal point for all activities relating to China. A copy of Dr. Perry's trip report on his visit to China was also provided to the CIA.

In short, the CIA in the person of Mr. Neuhauser has already been provided extensive background information on what our earlier discussions with the Chinese were and also on those items which the PRC had expressed specific interest in. CIA also has representation on both the Technical Advisory Committees (TACs) and on the Operating Committee (OC). More specifically, Mr. George Schember of CIA is a non-voting member of the interagency Operating Committee, which is chaired by the Department of Commerce. Mr. Schember serves as the interface for both State and CIA on export license requests for all proscribed countries. As a result of a recent CIA-Commerce agreement, he also has access to any information required by his Agency.

USDP



Walter B. LaBerge
Acting